CLAIMS

What is claimed is:

- An image fixing device of an image forming apparatus comprising:
- a pressure roller;
- a heating member; and
- a heating roller, the heating member being installed therein, to rotate with the pressure roller to fix a developed image to a fed paper by applying heat generated by the heating member, wherein the heating roller is a heat pipe of a closed tube type.
- 2. The image fixing device according to claim 1, wherein the heat pipe of the closed tube type forms a closed space therein and has a fluid inside of the closed space.
- 3. The image fixing device according to claim 1, wherein the heating member is an induction heating body to generate a magnetic field in the heating roller.
- 4. The image fixing device according to claim 1, wherein the heating roller rotates separately from the heating member.
 - 5. An apparatus comprising:

a roller to rotate about an axis to fix a toner image to a paper, the roller comprising an outer surface having a uniform surface temperature in a direction of the axis.

- 6. The apparatus according to claim 5, further comprising:
- a heater to heat the outer surface to the uniform surface temperature.

- 7. The apparatus according to claim 6, wherein the roller further comprises: an outer conductor forming the outer surface; and an inner conductor to form a space with the outer conductor.
- 8. The apparatus according to claim 7, further comprising: a working fluid in the space.
- 9. The apparatus according to claim 8, wherein the heater heats the working fluid in the space.
- 10. The apparatus according to claim 9, wherein the heater is a heating coil, and the inner conductor generates heat in response to a change in a magnetic field generated by the heating coil.
- 11. The apparatus according to claim 10, wherein the working fluid changes phase according to the heat generated by the inner conductor.
- 12. The apparatus according to claim 9, wherein the roller rotates separately from the heater.
- 13. The apparatus according to claim 12, wherein the heater is stationary and the roller rotates.
- 14. The apparatus according to claim 13, wherein the heater and the roller rotate in opposite directions.

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- The apparatus according to claim 11, wherein the phase changed working fluid is 15. circulated within the space.
 - An image fixing device of an image forming apparatus comprising: 16.
 - a pressure roller;
 - an induction heating coil; and
- a heating roller, the induction heating coil being installed therein, to rotate with the pressure roller to fix a developed image to a fed paper by applying heat generated by the induction heating coil, wherein the heating roller is a heat pipe of a closed tube type.
 - An image forming apparatus, comprising: 17.
 - a first roller to form an electrostatic latent image thereon;
 - a developer to develop the electrostatic latent image;
 - a second roller to transfer the developed image to a recording medium; and
 - a fixing device to fix the transferred image to the recording medium, comprising:
- a roller to rotate about an axis to fix a toner image to the recording medium, the roller comprising an outer surface having a uniform surface temperature in a direction of the axis.